

Date: Sat, 5 Mar 94 20:41:16 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #249
To: Info-Hams

Info-Hams Digest Sat, 5 Mar 94 Volume 94 : Issue 249

Today's Topics:

Daily Summary of Solar Geophysical Activity for 01 March
Daily Summary of Solar Geophysical Activity for 03 March
HamWindows
Help: Neighbor's CW interference
Medium range point-to-point digital links
Status of Online Repeater Directory Project.... (2 msgs)
Tandy Model 100 and Baycom/PMP
Yaesu FT-2400 Recs (Thanks)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 4 Mar 94 05:01:51 GMT
From: nprdc!ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!
alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 01 March
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACT

01 MARCH, 1994

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACT

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 060, 03/01/94
10.7 FLUX=094.1 90-AVG=107 SSN=061 BKI=3132 1222 BAI=008
BGND-XRAY=B1.2 FLU1=1.5E+07 FLU10=2.0E+04 PKI=3143 2223 PAI=010
BOU-DEV=031,009,032,014,009,012,010,011 DEV-AVG=016 NT SWF=00:000
XRAY-MAX= C3.6 @ 2230UT XRAY-MIN= A8.3 @ 1947UT XRAY-AVG= B1.7
NEUTN-MAX= +002% @ 2255UT NEUTN-MIN= -002% @ 2240UT NEUTN-AVG= -0.0%
PCA-MAX= +0.1DB @ 2355UT PCA-MIN= -0.3DB @ 1000UT PCA-AVG= +0.0DB
BOUTF-MAX=55346NT @ 1448UT BOUTF-MIN=55325NT @ 2007UT BOUTF-AVG=55336NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+069,+000,+000
GOES6-MAX=P:+131NT@ 1903UT GOES6-MIN=N:-076NT@ 0628UT G6-AVG=+091,+035,-027
FLUXFCST=STD:095,100,100;SESC:095,100,100 BAI/PAI-FCST=010,010,015/010,010,015
KFCST=2104 5011 2104 5011 27DAY-AP=015,010 27DAY-KP=1234 5421 1233 3321
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 28 FEB 94 is not available.
The Full Kp Indices for 28 FEB 94 are not available.
The 3-Hr Ap Indices for 28 FEB 94 are not available.
Greater than 2 MeV Electron Fluence for 01 MAR is not available.

SYNOPSIS OF ACT

BRIEF STD SYNOPTICAL INFORMATION FOLLOWS BELOW. THE SESC
DAT
THIS REPORT WAS COMPILED.

Solar activity was low. There were very few flares of
interest. The largest was a C3.6 event at 01/2230Z.

Solar activity forecast: solar activity is expected to be
generally low. Additional C-class flares are expected.

The geomagnetic field was quiet to unsettled over the last
24 hours. A few high-latitude regions saw periods of active
conditions during the local night hours.

Geophysical activity forecast: the geomagnetic field is
expected to be remain mostly quiet to occasionally unsettled
for the next 48 to 72 hours. A coronal-hole disturbance may
begin to elevate levels of activity on 03 or 04 March.

STD: Event probabilities 02 mar-04 mar

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

STD: Geomagnetic activity probabilities 02 mar-04 mar

A. Middle Latitudes	
Active	25/25/35
Minor Storm	10/10/15
Major-Severe Storm	01/01/05
B. High Latitudes	
Active	30/30/35
Minor Storm	15/15/15
Major-Severe Storm	05/05/10

HF propagation conditions were normal over all regions.
Similar conditions should continue throughout the next 48 to 72
hours.

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=====

REGIONS WIT

NO DAT

LISTING OF SOLAR ENERGETIC EVENTS FOR 01 MARCH, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NO DAT									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 01 MARCH, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO DAT								

INFERRED CORONAL HOLES. LOCATIONS VALID AT 03/2400Z

ISOLATED HOLES AND POLAR EXT

EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
NO DAT

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz

NO DAT

** End of Daily Report **

Date: 4 Mar 94 04:34:21 GMT
From: nprdc!ihnp4.ucsd.edu!usc!math.ohio-state.edu!cyber2.cyberstore.ca!
nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 03 March
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACT

03 MARCH, 1994

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACT

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 062, 03/03/94
10.7 FLUX=100.9 90-AVG=106 SSN=122 BKI=3446 3222 BAI=023
BGND-XRAY=B1.5 FLU1=2.0E+06 FLU10=1.9E+04 PKI=3456 4122 PAI=027
BOU-DEV=023,058,048,165,038,018,011,015 DEV-AVG=047 NT SWF=00:000
XRAY-MAX= C6.4 @ 1310UT XRAY-MIN= A7.1 @ 0714UT XRAY-AVG= B4.4
NEUTN-MAX= +002% @ 0935UT NEUTN-MIN= -004% @ 1830UT NEUTN-AVG= -0.5%
PCA-MAX= +0.3DB @ 1425UT PCA-MIN= -0.3DB @ 0915UT PCA-AVG= +0.0DB
BOUTF-MAX=55343NT @ 0107UT BOUTF-MIN=55284NT @ 0945UT BOUTF-AVG=55327NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+062,+000,+000
GOES6-MAX=P:+124NT@ 2129UT GOES6-MIN=N:-110NT@ 0831UT G6-AVG=+083,+042,-042
FLUXFCST=STD:105,105,105;SESC:105,105,105 BAI/PAI-FCST=015,020,020/020,030,030
KFCST=3214 5122 3346 6433 27DAY-AP=008,024 27DAY-KP=1222 3232 3235 4434

WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 02 MAR 94 is not available.
The Full Kp Indices for 02 MAR 94 are not available.
The 3-Hr Ap Indices for 02 MAR 94 are not available.
Greater than 2 MeV Electron Fluence for 03 MAR is: 1.5E+07

SYNOPSIS OF ACT

Solar activity was low. Region 7682 (S18W40) continued to develop slowly. This region produced several small flares, the largest being a C6/SF at 03/0210Z. Growth in Region 7680 (S12E13) has slowed. New Region 7684 (S08E25) was numbered.

Solar activity forecast: solar activity is expected to be low. C-class flares are expected in Region 7682.

The geomagnetic field ranged from quiet to severe storm. Major storm conditions were observed at middle latitudes from 0900-1200Z. Major to severe conditions were observed at high latitudes from 0600-1200Z. There is no obvious cause for this short-lived disturbance.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled for the next several hours, becoming active to storm due to a coronal hole.

Event probabilities 04 mar-06 mar

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 04 mar-06 mar

A. Middle Latitudes

Active	15/20/20
Minor Storm	35/40/25
Major-Severe Storm	05/05/15

B. High Latitudes

Active	30/35/35
Minor Storm	25/15/15

Major-Severe Storm 05/15/15

HF propagation conditions were below-normal over the high and latitude paths. Low and middle latitudes saw near-normal propagation. Conditions are expected to deteriorate on 05 and 06 March due to effects from a well-placed coronal hole. Transpolar and transauroral circuits could see moderate signal degradation (to poor and occasionally very poor levels). Upper middle latitude paths are also expected to see minor signal degradation during this anticipated disturbance.

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REGIONS WIT

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7678	S14W18	048	0020	HRX	02	003	ALPHA	
7680	S12E13	017	0040	DRI	04	019	BET	
7682	S18W40	070	0090	DRI	10	036	BET	
7683	S18W60	090	0020	BX0	07	007	BET	
7684	S08E25	005	0010	BX0	04	007	BET	
7679	N02W56	086					PLAGE	
7681	S13W70	100					PLAGE	

REGIONS DUE TO RET

NMBR	LAT
7668	N08 283
7673	N08 267

LISTING OF SOLAR ENERGETIC EVENTS FOR 03 MARCH, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 03 MARCH, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO EVENTS OBSERVED								

INFERRED CORONAL HOLES. LOCATIONS VALID AT 03/2400Z

ISOLATED HOLES AND POLAR EXT								
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
NO DAT								

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NO EVENTS OBSERVED.

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Uncorrelated:	0	0	0	0	0	0	0	0	000	(0.0)

Total Events: 000 optical and x-ray.

EVENTS WIT

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
-----	-----	-----	-----	-----	-----	-----	-----	-----

NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

- II = Type II Sweep Frequency Event
- III = Type III Sweep
- IV = Type IV Sweep
- V = Type V Sweep
- Continuum = Continuum Radio Event
- Loop = Loop Prominence System,
- Spray = Limb Spray,
- Surge = Bright Limb Surge,
- EPL = Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 5 Mar 94 08:58:08 GMT
From: nprdc!ihnp4.ucsd.edu!pacbell.com!well!nigel.msen.com!yale.edu!noc.near.net!
news.delphi.com!usenet@network.ucsd.edu
Subject: HamWindows
To: info-hams@ucsd.edu

John Boyer <boyer@rd.eng.bbc.co.uk> writes:

>What is HamWindows and what is DX Desktop?

HamWindows is an integrated package of HF operating aid programs for Windows. It includes logging, award tracking, packet, prefix data and almanac data (CIA World Factbook), computer control of HF rig, SWL data, and more. I just rec'd the brochures on it yesterday, and it looks very impressive, but I have not talked with anyone that is using it. I am not familiar with DX Desktop. The company that makes HamWindows has just changed its name from California Software Inc to HamWindows Inc.

2121 E. Pacific Coast Hwy #120C
Corona del Mar, CA 92625 USA
tel 714-729-4222
fax 714-644-6277

de John/AA2DY/jokent@delphi.com

Date: 4 Mar 94 12:20:59 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
tgm@network.ucsd.edu
Subject: Help: Neighbor's CW interference
To: info-hams@ucsd.edu

Alan Bloom (alanb@sr.hp.com) wrote:

: A better solution is to use what's called a "common-
: mode choke." You can make one by wrapping the speaker wire many times
: around a ferrite rod (the loopstick antenna from an old AM table radio
: works well for this) or better yet, obtain a good-sized ferrite toroid
: core and wrap the speaker wire many times through that.

AM table radios are getting pretty hard to find (even junk ones). What I've used *very* successfully are the ferrite torroids from old TV flyback transformers. Any TV repair shop will be happy to give you a burned out flyback for free. The CW

op in question might even want to try wrapping a few turns of the power cord to his transmitter through one of them. Some old junk TVs also have huge ferrite "torroids" as part of their yoke assembly too.

Thomas Ki4N

Date: 6 Mar 94 02:21:17 GMT
From: news-mail-gateway@ucsd.edu
Subject: Medium range point-to-point digital links
To: info-hams@ucsd.edu

>It's hard to beat a stationwagon full of mag tapes for throughput. :-)
>Gary

i'll see your station wagon and raise you a van full of DATs or MDs...

bill wb9ivr

Date: 5 Mar 94 04:24:04 GMT
From: nprdc!ihnp4.ucsd.edu!agate!news.ucdavis.edu!chip.ucdavis.edu!
ez006683@network.ucsd.edu
Subject: Status of Online Repeater Directory Project....
To: info-hams@ucsd.edu

Jeffrey D. Angus (jangus@skyld.grendel.com) wrote:
: Well Conway, it would appear that you have shot yourself in the dick on
: this project. Perhaps next time when you run into an obstacle, you give
: some thought as to what the obstacle is before you run to the net and
: cry rape.

Actually, Jeff, Conway did acknowledge the fact that he probably jumped the gun a bit in his initial posting of the entire problem to the 'net. I know he did so because he did it in e-mail between the two of us. While I may be stepping a little over the bounds of proper netiquette by disclosing this here (apologies if that is the case, Conway) but it is important to know what is really going on before accusing someone of self-bobbitization (tm). FWIW Conway did, as is now clear, work with the League along standard channels coincidentally with his post to the net. If Conway had not posted his admittedly premature announcement to the net he may have lost interest in the project because he might not have ever realized how many people were interested in the project. I think he has also added a few new volunteers to his roster as a result of this whole incident too.

: After rereading your original messages and then reading the copies of the
: letter from the League counsel, it is my opinion that you mad a lot of fuss
: over nothing.

: It is indeed unfortunate that that seems to be the standard method of
: operation on the rec.radio.amateur.* newsgroups.

: Congratulations on one thing though, you did manage to distract from the
: CW is Trivial war over on r.r.a.p.

Congratulations also on keeping the project alive.

73 es cheers,

Dan

--

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*-----*
* Daniel D. Todd      Packet: KC6UUD@KE6LW.#nocal.ca.usa      *
*                      Internet: ddtodd@ucdavis.edu            *
*                      Snail Mail: 1750 Hanover #102           *
*                      Davis CA 95616                         *
*-----*
* All opinions expressed herein are completely fictitious any *
* resemblance to actual opinions of persons living or dead is  *
* completely coincidental.                                     *
*-----*
```

Date: 4 Mar 94 14:13:19

From: ihnp4.ucsd.edu!pacbell.com!sgiblab!swrinde!gatech!howland.reston.ans.net!
agate!msuinfo!netnews.upenn.edu!mipg.upenn.edu!yee@network.ucsd.edu

Subject: Status of Online Repeater Directory Project....

To: info-hams@ucsd.edu

Jeffrey D. Angus writes:

>Well Conway, it would appear that you have shot yourself in the dick on
>this project. Perhaps next time when you run into an obstacle, you give
>some thought as to what the obstacle is before you run to the net and
>cry rape.

>

>After rereading your original messages and then reading the copies of the
>letter from the League counsel, it is my opinion that you mad a lot of fuss
>over nothing.

>

>It is indeed unfortunate that that seems to be the standard method of
>operation on the rec.radio.amateur.* newsgroups.

This indeed can be one interpretation of the events and I am sure it

will now be the predominant one. The entire argument stems from the belief that the original format violated ARRL copyright in two areas and that the material in the directory is shows sufficient "originality" to merit a copyright. On both points, I have heard arguments on both sides. Prior to the initial posting of the database, I checked on both things and was told I was in the clear. The ARRL disagrees.

In any case, I believe that there is a quote about hindsight and 20/20 might be appropriate.

I have been receiving sporadic flames (although far fewer than notes of encouragement) over this project ever since it began. At first it was about the attitudes toward possible inaccurate listings. Now it appears that the new flames will be over my interpretation of a letter from a lawyer. Since you are so omniscient of the wishes of others, would you care to take over the running of the project? I am getting a bit tired of it. I started this thing as a VOLUNTEER project that I thought would be a benefit to the community and it isn't all that much fun. I would be more than happy to turn over the reins to someone who says that they can do better.

"No good deed goes unpunished."

--

Medical Image Processing Group		Conway Yee, N2JWQ
411 Blockley Hall		EMAIL : yee@mipg.upenn.edu
418 Service Drive		VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA)		FAX : 1 (215) 898-9145

Date: 4 Mar 94 14:39:50 GMT
From: nprdc!ihnp4.ucsd.edu!pacbell.com!att-out!cbfsb!cbnewsg.cb.att.com!
mam@network.ucsd.edu
Subject: Tandy Model 100 and Baycom/PMP
To: info-hams@ucsd.edu

Has anyone figured out how to connect a Baycom/Poor Mans Packet circuit to a Tandy Model 100?

I just finished building a Baycom modem for packet, and I'd just love to be able to use my portable, non-MSDOS compatible Model 100 as a terminal to at least receive those packets.

Actually, we've been trying to get the Model 100 to decode the signals directly through the cassette port. All we've been able to do is CW so far. RTTY is next, unless someone has cracked that nut already ...

+-----+

Date: 4 Mar 94 11:46:27 GMT
From: nprdc!ihnp4.ucsd.edu!agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
tgm@network.ucsd.edu
To: info-hams@ucsd.edu

References <762531813snx@skyld.grendel.com>, <2kvqsu\$r0d@ornews.intel.com>,
<rohvm1.mah48d-020394123111@136.141.220.39>
Subject : Re: 5 by 5...

John E. Taylor III (rohvm1.mah48d@rohmmaas.com) wrote:
: This appears to go back to military usage during WWII (maybe earlier, but
: _I_ wasn't around to verify that), and a radiotelephone signal-report scale
: that was 1 - 5 on both readability and strength. Thus "5 by 5" is a good
: as it gets.

I think there was a swing novelty tune from this era called "Mr 5 by 5"
(about a fat guy).

Thomas Ki4N

Date: Fri, 4 Mar 1994 18:51:04 GMT
From: pa.dec.com!src.dec.com!crl.dec.com!nntpd.lkg.dec.com!ryn.mro.dec.com!
est.enet.dec.com!randolph@decwrl.dec.com
To: info-hams@ucsd.edu

References <gradyCLsKtB.I3r@netcom.com>, <kmeyer.3b0x@bbs.xnet.com>,
<1994Mar2.175938.12119@alw.nih.gov>ot.
Subject : Re: Further criminalization of scanning

In article <1994Mar2.175938.12119@alw.nih.gov>, weisen@alw.nih.gov (Neil
Weisenfeld) writes...

>What I think we should do is write to our congresspeople and tell them why
>we feel the cellular and cordless privacy laws are so misguided. Even if
>they outlaw the manufacture of scanners that can receive cordless
>(and I haven't heard anyone say that that is what is up for debate --
>only outlawing *listening*, not manufacture), those radios are going to be
>around for a long, long time as used equipment.

Been there, done that. My Congressman ignored my letter. The law didn't pass on
his watch, so, in the finest tradition of politicians, I guess he feels no
obligation to deal with it.

Amen to the long, long time. I just tuned up my old BC220 table-top scanner. 15 years old, 20 channels, and no 800MHz, but still not a bad radio if your city hasn't gone to trunked public service.

>I'd be interested if other people agree.

Yup. These laws, if I'm not misinformed, are unique in recent history in that up until their enactment, it was legal to listen to any waves passing through your home, as long as you didn't act on or disclose what you heard. You are now a criminal if you choose to *tune in* to these particular band segments, regardless of what you do with what you hear. More such laws will follow, since government and regulations never shrink in size.

-Tom R. N100Q randolph@est.enet.dec.com

Date: 4 Mar 94 11:58:01 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
tgm@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Mar1.165710.2145@dtint.dtint.com>, <2l2fk0\$eqj@hpavla.lf.hp.com>,
<POPOVICH.94Mar2125229@prince.cs.columbia.edu>
Subject : Re: QST review of Dual-Bander HTs

Steve Popovich (popovich@prince.cs.columbia.edu) wrote:

: The problem here, of course, is that the aviation handhelds are type
: accepted for aviation use, and the TH-78A is not. It's against FCC
: regulations to use the TH-78A to transmit in the aircraft band. If I
: had one along in an airplane and there was an emergency requiring its
: use, then I'd use it, but I wouldn't expect the FCC to be pleased.

You know, I always thought that the FCC was easy going on the rules in an emergency situation. But I just read in 73 magazine that the FCC confiscated someone's HT for calling emergency help on the sheriff's frequency when help could not be found in the ham bands (very remote location). (this news snippet appeared in the Feb or March '94 issue of 73)

Thomas Ki4N

End of Info-Hams Digest V94 #249

